

BELZONA REPAIRS VOITH SCHNEIDER UNIT

ID: 7722



PROBLEM

Erosion/corrosion damage meant the unit no longer functioned correctly. Replacement of the unit would total around £120,000

APPLICATION SITUATION

A Voith Schneider propulsion unit was experiencing erosion/corrosion from sand/silt & sea water in service.

APPLICATION METHOD

The face of the unit was first grit blasted to SA2.5 & 75 microns. The face of the casing was then built up with Belzona 1311 before being overcoated with Belzona 1321. The inner bore was a sealing face, it was built up with Belzona 1311 & then machined down to a close tolerance.

BELZONA FACTS

Replacement would have taken weeks & cost around 15 times the repair. By utilizing this solution the customer saved time, money & the equipment will now have better erosion/corrosion resistance than when purchased new!

INDUSTRY

Marine

LOCATION

Gourock, Scotland

APPLICATION DATE

April 2018

PRODUCTS

Belzona 1311 (Ceramic R Metal)
Belzona 1321 (Ceramic S Metal)

SUBSTRATE

Cast steel

PHOTOS

1. Voith unit in blast booth
2. Close up of metal loss
3. Sealing face built up
4. Machining of product

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

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